C. A. SOANS.

LISTING DEVICE.

APPLICATION FILED MAY 28, 1914. RENEWED AUG. 2, 1918.

1,394,231. **Patented Oct. 18, 1921.**

Fig. 1.

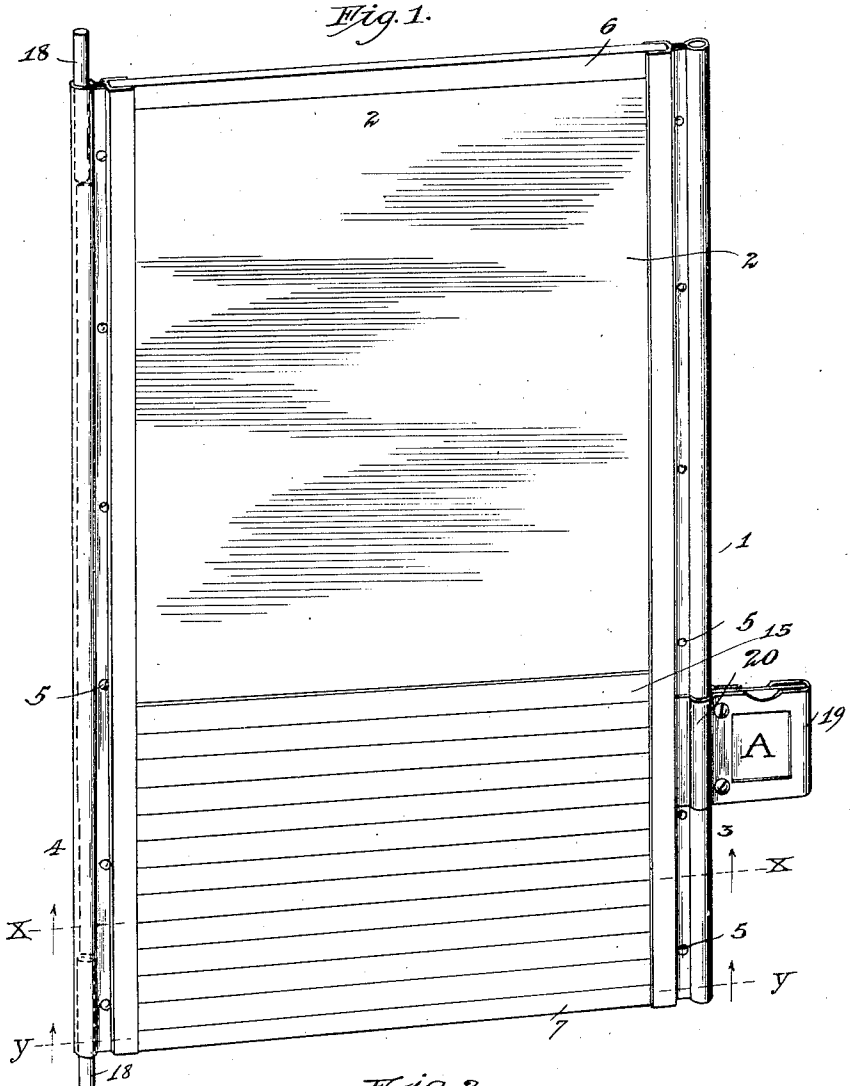

Fig. 2.

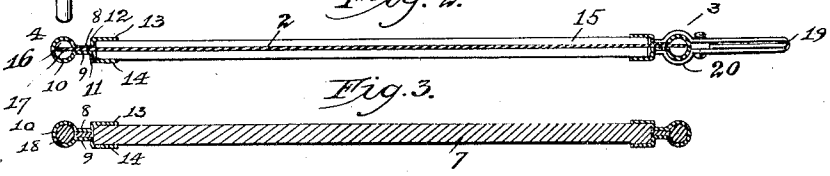

Fig. 3.

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UNITED STATES PATENT OFFICE.

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LISTING DEVICE.

1,394,231. Specification of Letters Patent. Patented Oct. 18, 1921.

Application filed May 28, 1914, Serial No. 841,450. Renewed August 2, 1918. Serial No. 248,074.

To all whom it may concern:

Be it known that I, CYRIL A. SOANS, a citizen of the United States, and resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Listing Devices, of which the following is a specification.

This invention relates to listing devices such as are applicable for indexes, telephone lists, credit systems and the like, and more particularly to a construction adapted to removably hold a plurality of individual slips, over-lapping cards or other members. In devices for listing names, telephone numbers or other data, it is often necessary to permit of the expansion of certain portions of the system without interfering with the sequence in which the individual elements are positioned. In certain devices of this character paper slips have been removably held in the frame by inserting the ends of the slips under flanges formed by turning over the marginal edges of the frame. In such constructions, however, it is necessary to provide mechanism for turning over the flanges of sheets of varying width and to handle the entire frame in order to produce such flanges.

The salient objects of the invention are to provide a marginal member adapted for use with webs of various widths; to provide a construction wherein a plurality of the slips may be held upon the opposite sides of a single central web; to so construct the marginal member that it may be employed without change on either edge of the central web; to provide a construction which may be rolled, drawn or otherwise cheaply manufactured; to form as an integral part of the marginal member a socket for receiving a pintle, handle or other mounting member; to utilize the bead on the outer edge of the marginal member as a guide for sliding tab and in general to produce an improved construction for detachably holding the plurality of the slips or other members.

In the drawings—

Figure 1 is a perspective view of the device embodying my invention.

Fig. 2 is a cross section on the line *x*—*x* of Fig. 1.

Fig. 3 is a cross section on the line *y*—*y* of Fig. 1.

In the particular embodiment of my invention shown in the drawings, the frame 1 which receives the slips comprises a central web portion 2 which is provided at opposite edges with marginal members 3 and 4. These marginal members are secured to the central web portions by any suitable means such as by the indentations 5. The upper and lower ends of the frames are provided with filler members 6 and 7 of greater width than the thickness of the central web thus forming shoulders which will prevent the passing of the strips out of either the top or bottom of the frame.

Referring to the particular construction of the marginal members as shown in Figs. 2 and 3, it will be noticed the central portions 8 and 9 of these members lie substantially adjacent and in assembled position abut against the opposite faces of the central web member 2. The outer end of the marginal member is enlarged and rounded into a substantially circular bead 10, while at the opposite ends the members 8 and 9 are off-set outwardly forming abutment shoulders 11 and 12. Extending inwardly from the shoulders last mentioned are substantially parallel flanges 13 and 14 beneath which the end of the member to be held such as the flexible strip 15 is inserted.

In assembling the parts the central web sheet 2 is cut to desired width, and marginal members 3 and 4 are engaged with the opposite edge portions of the central web member. I preferably extend the web member into the bead portions of the marginal members and if desired the central web can be used as a position means for properly spacing the marginal portions the desired distance apart in assembling. This is accomplished by making the central web of a width so that when its opposite edges 16 and 17 abut against the inner surface of the beads the marginal members will be positioned the desired distance apart. The portion of the marginal members which registers with the upper and lower filler members 6 and 7 may be sealed or if left open the inner surface of such bead can be used as a bearing for receiving a pintle 18 or other mounting or handle member. The web 2, which is held between the members 8 and 9 at its edges, extends into the bead 10 as shown in Fig. 2. Portions of the web extending into the bead are cut away at

the top and bottom as shown in Fig. 1 to accommodate the pintles inserted therein.

I also utilize the bead of the marginal member as a guide for the sliding tab 19 which has a securing portion 20 substantially complementary to the bead and contracted central portion of the marginal member upon which it is placed. This tab can be slid up or down as desired and it preferably has sufficient frictional engagement with the marginal member to hold it in its various adjusted positions.

It will be noticed that the marginal member is of such formation that the same construction is used upon both edges of the web by simply placing the same in reversed position. Moreover, since the same construction of marginal members can be employed with webs of various width it is only necessary to construct mechanism for producing a single cross sectional pattern and in assembling the parts it is not necessary to have any stock and plurality of different forms of the marginal members. While I have shown and described a particular construction, I do not desire to limit my invention to the particular details shown and described nor in any manner except as specified in the appended claims.

I claim as my invention:—

1. In a holder for members adapted to be removably retained by springing their edge under a flange, the combination with a central web, of a marginal member secured to said web, said marginal member having depressed central portions engaging opposite faces of the web, a bead member adapted to inclose and protect the edge of the web and an inwardly extending offset flange spaced from the web to receive the end of a member to be held.

2. In a holder for members adapted to be removably retained by springing their edges under a flange, the combination with a central web, of a marginal member secured to said web, said marginal member having contracted central portions engaging the opposite faces of the web, an outer bead portion embracing the edge of the web, transverse shoulders at the inner end of the contracted portions, and flanges extending inwardly from said shoulder portions, said flanges being spaced from the web to receive the ends of the members to be held.

3. In a holder for members adapted to be retained by springing their edges under a flange, the combination with a central web, of a marginal member secured to said web, said marginal member having contracted central portions, inwardly extending offset flanges for receiving members to be held, and a rounded bead inclosing the extreme edge of the web, and an indexing tab having a securing portion embracing the rounded bead and slidable thereon.

4. In a holder for members adapted to be retained by springing their edges under a flange, the combination with a central web, of marginal members secured to opposite edges of said web, said marginal members having contracted central portions engaging opposite faces of the web and inwardly extending offset flanges adapted to receive the ends of the members to be held, and a hollow bead embracing the extreme edge of the web, said bead being open at one end to permit the insertion of a securing member, said web being also cut away to receive said securing member.

5. In a holder for members adapted to be retained by springing their edges under a flange, the combination with a central web, of marginal members secured to opposite edges of said web, said marginal members having contracted central portions engaging opposite faces of the web and inwardly extending offset flanges adapted to receive the ends of the members to be held, and a hollow bead embracing the extreme edge of the web, said bead being open at one end to permit of the insertion of a securing member, said web being also cut away to receive said securing member, and an indexing tab adapted to embrace the bead and slide thereon to different positions of adjustment.

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